

LAMP**HES**
Hinge & Edge**INSTALLATION MANUAL****FOR HES3D-90 CONCEALED HINGE**

Thank you for using our product. Before installation, please read this manual thoroughly to ensure correct installation.

Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- This product is a concealed hinge for furniture to be recessed in the cut out on door and side board.
- Three dimensional adjustment function allows vertical, horizontal, and depth adjustment.

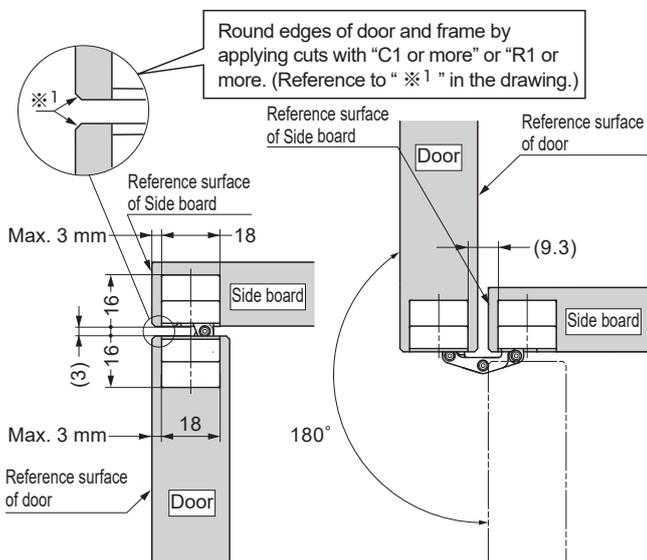
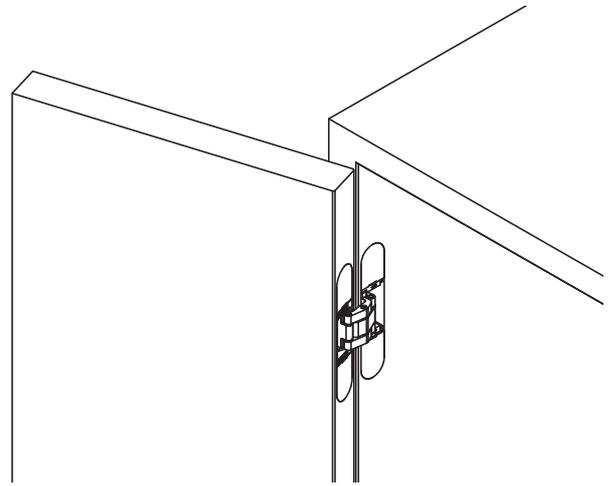
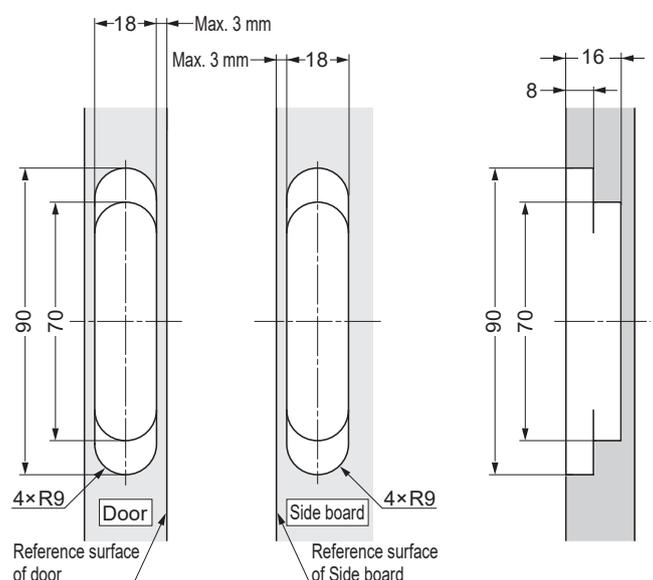
DOOR SPECIFICATIONS

Min. Door thickness	23 mm
Max. Door weight	12 kg per 2 hinges, 16 kg per 3 hinges
Max. Door size	Width: 600 mm, Height: 1500 mm

FOR YOUR SAFE WORK AND CORRECT INSTALLATION**Meaning of symbols**

⚠ Caution: If not followed, injury or damage may result.

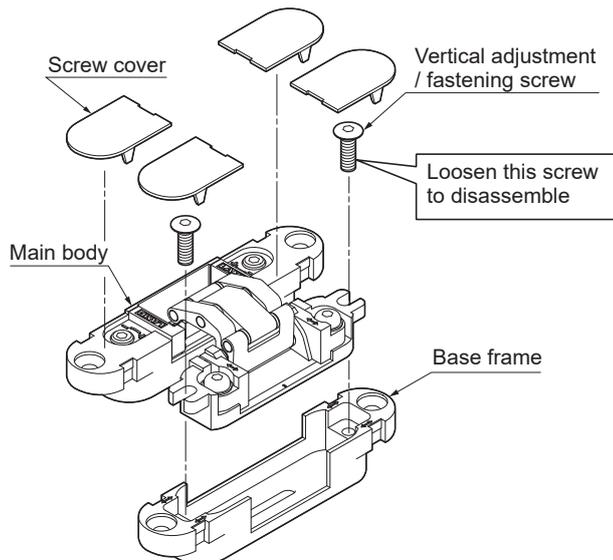
- ⚠ Provide a cabinet that can withstand the weight and impact of opening and closing the door. Be sure to use the specified screws and tighten them securely. If the mounting strength is insufficient, the door may fall and cause injury.
- ⊘ Do not use this product for any other purpose, or with doors that are outside the specifications of this manual.
- ⊘ Use in conjunction with door damper (except DC-200) or stay is not recommended.
- ⚠ Follow the specified dimensions, specifications, and alignment of the cabinet. Warping, tilting or twisting of the cabinet or door may cause failure.
- ⚠ This product is a part for furniture. After installation, please check the function and safety of the final product. Please inform the end user how to use the product safely.
- ⚠ Make sure to check the screws for slack at regular intervals (one month from first usage, half a year, and then one time every year is recommended).

INSTALLATION DRAWING (EXAMPLE)**CUT OUT DRAWING FOR DOOR AND SIDE BOARD****COMPONENT PARTS (PER BOX)**

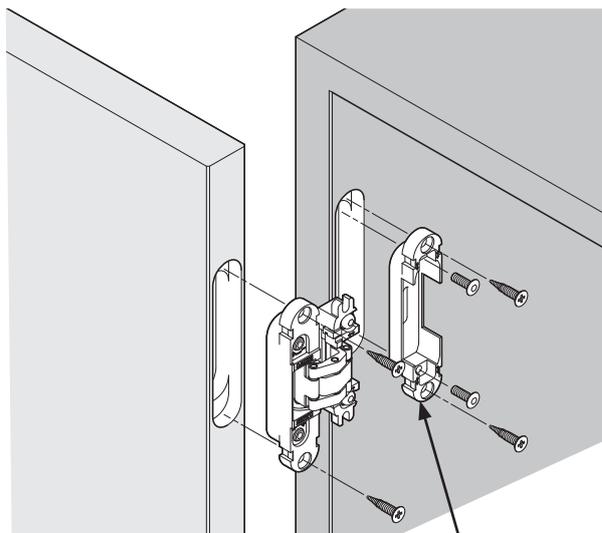
• Concealed hinge	2 pcs
• Screw cover	4 pcs × 2 bags
• Template	1 pc
• Countersunk head tapping screw 4 × 20	4 pcs × 2 bags
• Hex Key 2 mm	1 pc

INSTALLATION PROCEDURE

1 Disassembly of Hinge



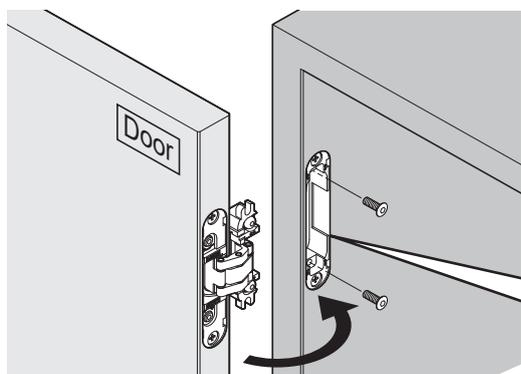
2 Installing Hinge to Door and Cabinet



! Caution

Before installing base frame into the cabinet, check that it is oriented correctly. If the orientation is incorrect, the door cannot be installed.

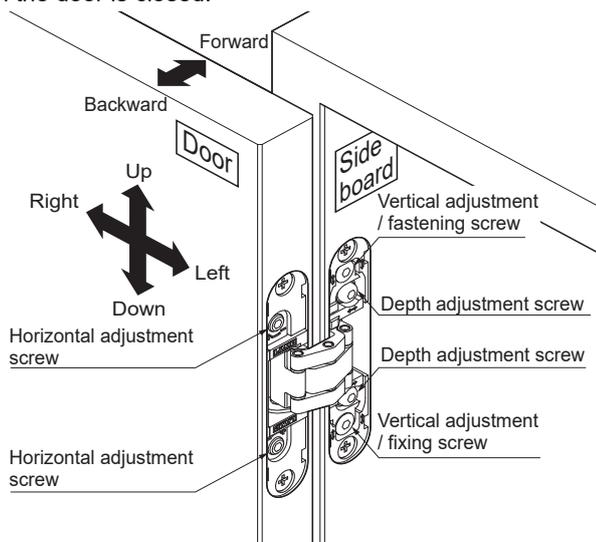
3 Hanging Door



While holding the door, insert the hinge main body into the base frame on side board. Keep holding the door and fix the hinge with the fixing screws at once.

ADJUSTING DOOR POSITION

The arrows should point in the direction of adjustment when the door is closed.



- When adjusting the vertical position or the depth, loosen the screws, then hold the door at the suitable position and re-tighten the screws. (Tightening torque is 1.2 N·m.)
- When adjusting horizontal position, turn Horizontal adjustment screw. (There are two screws per hinge.)

The gap between Door and Side board will be expanded by turning the screw clockwise.

! Caution

- ⊘ Do not remove the depth adjustment screw. The door may fall and cause injury.
- ! Tighten adjustment screws within the tightening torque so as not to damage the screws.
- ! When adjusting the horizontal position, turn the two screws little by the same amount. The hinge may be broken if you keep turning one screw only.
- ! Horizontal adjustment range is ± 1.5 mm. When turning the screw to the right, if you move the part more than 1.5 mm the cover cannot be put on, since the part protrudes. If you still turn the screw, the door will fall.

SUGATSUNE KOGYO CO.,LTD
Tokyo, JAPAN
Phone: +81 (0)3 3866 2260 E-mail:export@sugatsune.co.jp

SUGATSUNE KOGYO (UK) LTD
Reading, UK
Phone: +44 118 9272 955 E-mail:sales@sugatsune.co.uk

SUGATSUNE EUROPE GmbH
Düsseldorf, GERMANY
Phone: +49 211 53812900 E-mail:sales@sugatsune.eu

SUGATSUNE SHANGHAI Co., LTD
Shanghai, CHINA
Phone: +86 21 3632 1858 E-mail:lamp@sugatsune.com.cn

Guangzhou, CHINA
Phone: +86 20 6639 3552 E-mail:lamp@sugatsune.com.cn

SUGATSUNE KOGYO INDIA PRIVATE LIMITED
Mumbai, INDIA
Phone: +91 22 28314490/91 E-mail:sales@sugatsune.in

SUGATSUNE AMERICA, INC
California, USA
Phone: +1 310 329 6373 E-mail:sales@sugatsune.com

Chicago, USA
Phone: +1 312 461 1081 E-mail:chicagoshowroom@sugatsune.com.

SUGATSUNE CANADA, INC.
Phone: +1 514 312 5267 E-mail:support@sugatsune.ca

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